

**Notice of Allowability**

Application No.

09/880,612

Examiner

Hoa Q. Pham

Applicant(s)

MUKAI ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the telephone interview on 4/8/05.
2. ☒ The allowed claim(s) is/are 1-7.
3. ☒ The drawings filed on 13 June 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 11/9/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Davis Zoetewey (Reg. No. 45,258) on 4/8/05.

2. The application has been amended as follows:

#### **IN THE CLAIMS:**

1. (Currently Amended) A method of evaluating whiteness of light emitted from a fluorescent lamp, comprising the steps of:

calculating chroma  $C$  of light emitted from a fluorescent lamp, using a method defined by the CIE 1997 Interim Color Appearance Model (Simple Version); and  
calculating whiteness  $W$  from the chroma  $C$  using an equation (1),

$$W = aC + b \dots (1)$$

where the coefficient  $a$  is a negative real number and the coefficient  $b$  is a positive real number.

2. (Currently Amended) A method of evaluating whiteness of light emitted from a fluorescent lamp, comprising the steps of:

calculating chroma  $C$  of light emitted from a fluorescent lamp, using a method defined by the CIE 1997 Interim Color Appearance Model (Simple Version); and

calculating whiteness  $W$  from the chroma  $C$  using an equation (1),

$$W = aC + b \dots (1)$$

where the coefficient  $a$  is a negative real number, the coefficient  $b$  is a positive real number, and the whiteness  $W$  is 100 when the chroma  $C$  is 0.

3. (Currently Amended) A method of evaluating whiteness of light emitted from a fluorescent lamp, comprising the steps of:

calculating chroma  $C$  of light emitted from a fluorescent lamp, using a method defined by the CIE 1997 Interim Color Appearance Model (Simple Version); and

calculating whiteness  $W$  from the chroma  $C$  using an equation (1),

$$W = aC + b \dots (1)$$

where the coefficient  $a$  is a negative real number, the coefficient  $b$  is a positive real number, the whiteness  $W$  is 100 when the chroma  $C$  is 0, and the whiteness  $W$  is 50 under a standard illuminant  $A$ .

4. (Currently Amended) The method of Claim 1, wherein ~~the chroma  $C$  is a chroma of the light emitted from the fluorescent lamp~~, and the coefficient  $a$  is -5.3 and the coefficient  $b$  is 100.

5. (Previously presented) The method of Claim 1, wherein the chroma  $C$  is a chroma of light obtained when the light from the fluorescent lamp is reflected off from a surface of an object whose Munsell value and Munsell chroma is 9.5 and 0, respectively, and the coefficient  $a$  is -4.4 and the coefficient  $b$  is 100.

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6. (Previously presented) The method of Claim 1, wherein the chroma is a chroma of light obtained when the light emitted from the fluorescent lamp is reflected off a blank surface of a newspaper, and the coefficient  $a$  is -3.3 and the coefficient  $b$  is 100.

7. (Previously presented) A method of evaluating comparative whiteness of light emitted from two light sources, comprising the steps of:

calculating chroma  $C1$  of light from a first light source and chroma  $C2$  of light from a second light source using a method defined by the CIE 1997 Interim color Appearance Model (simple version); and

calculating comparative whiteness  $Wc$  from the chroma  $C1$  and the chroma  $C2$ , using an equation (2),

$$Wc = (C1 - C2) / C1 \dots (2).$$

8-90. (Cancelled)

3. The following is an examiner's statement of reasons for allowance:

Regarding claims 1-3, there was no prior art found by the examiner that suggested modification or combination with the cited art so as to satisfy all the limitations as now cited in claims 1-3. Especially, the prior art does not teach or suggest **"calculating chroma  $C$  of light emitted from a fluorescent lamp, using a method defined by the CIE 1997 Interim Color Appearance model"** in combination with the rest of limitations of claims 1-3.

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Regarding claim 7, there was no prior art found by the examiner that suggested modification or combination with the cited art so as to satisfy the limitation "**calculating comparative whiteness  $W_c$  from the chroma  $C1$  and the chroma  $C2$ , using an equation:  $W_c = (C1 - C2) / C1 \dots (2)$** " in combination with the rest of limitations of claim 7.

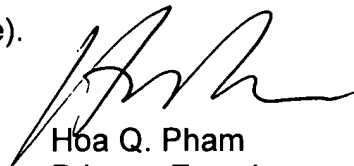
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoa Q. Pham whose telephone number is (571) 272-2426. The examiner can normally be reached on 7:30AM to 6 PM, Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley, Jr. can be reached on (571) 272-2800 ext. 77. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Hoa Q. Pham  
Primary Examiner  
Art Unit 2877

HP  
April 8, 2005